

Name: _____ TP: _____

FORM A

Failure to show work on all problems or use complete sentences will result in a LaSalle. **Round to hundredths!**

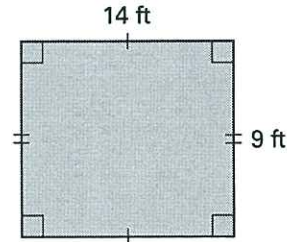
1) A square garden has a side measuring 22ft. How much fence is needed to enclose the garden?

① DRAW A PICTURE!!!

- A. 44ft
- B. 88ft
- C. 484ft
- D. 484ft^2

② AREA OR PERIMETER?

2) Find the perimeter and area of the figure. If necessary, round to the nearest tenth.



Perimeter: _____ Area: _____

3) Marble floor tiles are each 1-foot square. What is the minimum number of these tiles needed to tile the entire floor of a 10-foot-by-16-foot rectangular kitchen and a 11-foot-by-5-foot dining room?

4) A rectangle has a perimeter of 8 units. If the width of a rectangle is $\frac{1}{3}$ as long as the length, what is the length and width of the rectangle?

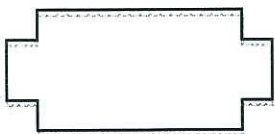
5) You are planting grass on a square plot of land. You are also building a fence around the edge of the plot. The side length of the plot is 54 feet.

- a. How much area do you need to cover with grass seed?
- b. How many feet of fencing do you need?

6) A park wants to put a fence around their soccer fields. Each field is 75 yards long and 55 yards wide.

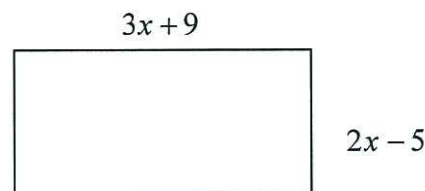
- a. How many yards of fencing will they need for 4 soccer fields?
- b. What is the area of each soccer field?

7) 1 cm by 1 cm corners have been cut out of the 7 cm by 4 cm figure below. Find the perimeter and area.



Area: _____
Perimeter: _____

8) What is the area of the rectangle below?



* REMEMBER, $x(x)$ is x^2 *

PUSH IT TO THE LIMIT.

Monday HW Review

1) What is the equation of the line that passes through (5,5) and is perpendicular to $y = \frac{2}{5}x + 8$?

A. $y = \frac{2}{5}x + 3$

B. $y = -\frac{5}{2}x + 3$

C. $y = \frac{2}{5}x - 5$

D. $y = -\frac{5}{2}x + 8$

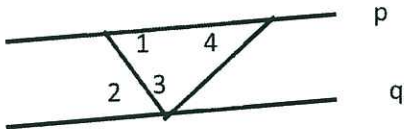
E. $y = -\frac{5}{2}x - 1$

Step 1: Find new slope

Step 2: Find new y-intercept

Step 4: Put it all together!

2) In the figure below, $p \parallel q$. Which of the following are true?



A. $\angle 4 \cong \angle 1$

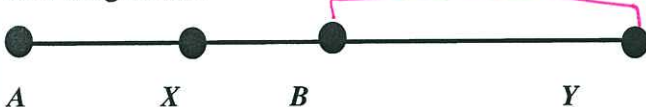
B. $\angle 3 \cong \angle 4$

C. $\angle 2 \cong \angle 4$

D. $\angle 1 + \angle 3 = 180^\circ$

E. $\angle 3 + \angle 1 = 90^\circ$

3) If $AY = 30$, $BY = 12$, and X is the midpoint of AB , how long is AX ?



A. 14

B. 9

C. 6

D. 15

E. 18

* AX?

$AB + BY = AY$

4) What is the equation of the line that passes through (2,9) and is parallel to $y = 3x$?

A. $y = \frac{1}{3}x + 3$

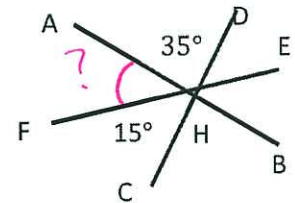
B. $y = -\frac{1}{3}x + 3$

C. $y = 3x + 3$

D. $y = -\frac{1}{3}x + 2$

E. $y = \frac{1}{3}x + 3$

5) Segments AB , CD , and EF intersect at H . What is $m\angle AHF$?



A. 35°

B. 15°

C. 40°

D. 25°

E. 130°

6) On a number line, point A is located at -10 , B is located at -2 , and C is located at 4 . How much longer is AB than BC ?

DRAW A PICTURE!

A. 8

B. -12

C. -8

D. 6

E. 22

7) What is the solution set of $-1 + |x+6| < -5$?

A. $\{x < -5\}$

B. $\{x > -7\}$

C. $\{-7 < x < -5\}$

D. $\{-7 > x > -5\}$

E. No Solution

8) Angles 1 and 2 are supplementary angles. The $m\angle 1 = 2x^\circ$ and $m\angle 2 = 4x^\circ$. What is the measure of the larger angle?

A. 30°

B. 60°

C. 120°

D. 130°

E. 180°